

protein. Activity returned to control values when an extracellular source of Cu was provided. Incubation of retinoic acid-treated cells with the chelator showed that they lost proportionally less Cu than the noninduced controls. Levels of Cu/Zn-SOD protein were not affected by the Cu or chelator treatments. The requirement of differentiating HL-60 cells for Cu apparently is not related to providing Cu for Cu/Zn-SOD activity. If a supplemental source is not supplied in the medium, then the cells may acquire Cu from an intracellular source, namely Cu/Zn-SOD.

ST **copper** cell differentiation superoxide dismutase  
 IT **Cell differentiation**  
     (superoxide dismutase activity during, **copper** in)  
 IT 9054-89-1, Superoxide dismutase  
     RL: BIOL (Biological study)  
     (**copper**-zinc-contg., **copper** requirement for  
     activity of, during animal cell differentiation)  
 IT **7440-50-8, Copper**, biological studies  
     RL: BIOL (Biological study)  
     (superoxide dismutase activity during animal cell differentiation  
     response to)  
 IT **7440-50-8, Copper**, biological studies  
     RL: BIOL (Biological study)  
     (superoxide dismutase activity during animal cell differentiation  
     response to)  
 RN 7440-50-8 HCAPLUS  
 CN Copper (7CI, 8CI, 9CI) (CA INDEX NAME)

Cu

=> d his

(FILE 'HOME' ENTERED AT 13:49:51 ON 07 MAY 2003)  
 SET COST OFF

FILE 'HCAPLUS' ENTERED AT 13:50:06 ON 07 MAY 2003  
 E WO99-IL444/AP, PRN

L1 2 S E3, E4  
     E GAMIDA/PA, CS  
 L2 10 S E3-E18  
     E HADASIT/PA, CS  
 L3 84 S E3-E56  
     E PELED T/AU  
 L4 7 S E3, E5  
     E PELED A/AU  
     E FIBACH E/AU  
 L5 113 S E3-E5  
     E TREES A/AU  
     E TREVES A/AU  
 L6 122 S E3, E4, E11, E12

FILE 'REGISTRY' ENTERED AT 13:56:43 ON 07 MAY 2003

L7 1 S COPPER/CN  
 L8 1 S ZINC/CN  
     E GCSF/CN  
     E G CSF/CN  
     E G-CSF/CN  
 L9 1 S E3  
 L10 1 S E11  
     E TETRAETHYLENEPENTAMINE/CN  
 L11 1 S E3

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      SEL RN
L12      736 S E1/CRN
L13      173 S L12 NOT PMS/CI
L14      14 S L13 NOT (COMPD OR WITH OR MXS/CI OR UNSPECIFIED OR IDS/CI)
L15      9 S L14 NOT CONJUGATE
      E THROMBOPOIETIN/CN
L16      1 S E3
      E STEM CELL FACTOR/CN
      E FLT3/CN
      SEL CHEM L11

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FILE 'HCAPLUS' ENTERED AT 14:00:43 ON 07 MAY 2003

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L17      3315 S L11 OR L15
L18      6533 S E1-E13
L19      6538 S L17,L18
L20      1666 S L16
L21      1869 S THROMBOPOIETIN
L22      183 S MEGAKARYOCYTE GROWTH (1W) DEVELOPMENT FACTOR
L23      14 S THROMBOCYTOPOIETIN
L24      187 S MPL LIGAND OR THROMBOCYTOPOIETIC STIMULATING FACTOR
L25      146 S MGDF OR M GDF OR MEGAPOIETIN OR THROMBOCYTOPOIESIS STIMULATIN
L26      2031 S L20-L25
L27      26134 S IL6 OR (IL OR INTERLEUKIN) () 6
L28      3286 S STEM CELL FACTOR
L29      920 S (FLT3 OR FLT 3) (L) LIGAND
L30      810 S FLT3? (L) LIGAND
L31      924 S L29,L30
L32      1186 S FLT3? OR FLT 3
L33      1186 S L31,L32
L34      4543 S L9 OR L10
L35      7486 S GCSF OR (G OR GRANULOCYT?) () (CSF OR COLONY STIMULATING FACTOR
L36      14005 S GRANULOCYT? (L) COLONY STIMULATING FACTOR
L37      12 S GRANOCYTE
L38      15397 S L34-L37
L39      419770 S L7
L40      1194671 S COPPER OR CU OR CUPR? OR CU#
L41      233732 S L8
L42      706811 S ZINC OR ZN OR ZN#
      E HEMATOPO/CT
      E E83+ALL
      E E2+ALL
L43      17206 S E5
      E HEMATOPOIETIC PRECURSOR CELL/CT
      E E43+AL
      E E3+ALL
L44      4385 S E2
L45      2871 S E10
L46      563 S E16,E17,E18
      E CORD/CT
      E E4+ALL
L47      1083 S E3
      E E5+ALL
L48      1409 S E4
L49      119079 S (CELL OR PLANT CELL? OR ANIMAL CELL?)/CT
L50      48896 S (PLANT TISSUE CULTURE? OR ANIMAL TISSUE CULTURE?)/CT
      E CULTURE/CT
      E E4+ALL
L51      8595 S E1,E2
L52      2546 S L43-L48 AND L49-L51
L53      17 S L52 AND L39,L40
L54      30 S L52 AND L41,L42
L55      42 S L53,L54
L56      3226 S L49,L50 AND L39,L40,L41,L42

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L57 321 S L43-L48 AND L39,L40,L41,L42  
 L58 2 S L19 AND L55  
 L59 5 S L19 AND L56  
 L60 3 S L19 AND L57  
 L61 6 S L58-L60  
 L62 3 S L61 AND (13 OR 9)/SC,SX  
 L63 13 S L28 AND L56,L57  
 L64 8 S L29-L33 AND L56,L57  
 L65 13 S L26 AND L56,L57  
 L66 46 S L27 AND L56,L57  
 L67 42 S L38 AND L56,L57  
 L68 86 S L58-L67  
 L69 86 S L68 AND L39-L42  
 L70 14 S L69 AND 9/SC,SX  
 L71 18 S L61,L62,L70  
 L72 3 S L1-L6 AND L68  
 L73 3 S L71 AND L72  
 L74 15 S L71 NOT L73  
 L75 11 S L74 AND (PY<=1999 OR PRY<=1999 OR AY<=1999)  
 L76 3827 S L39-L42 AND L43-L52  
 L77 6 S L76 AND L19  
 L78 8 S L76 AND L33  
 L79 42 S L76 AND L38  
 L80 3 S L70 AND L77,L78  
 L81 11 S L77,L78,L80  
 E CELL DIFFERENTIATION/CT  
 L82 32051 S E3+NT  
 E CELL PROLIFERATION/CT  
 L83 52181 S E3+NT  
 L84 249 S L82,L83 AND L76  
 SEL DN AN 2 9 10  
 L85 3 S E1-E9  
 L86 3 S L81 AND L85  
 L87 3 S L85,L86  
 L88 3 S L19 AND L39,L49 AND L82,L83 AND L43-L48  
 L89 3 S L87,L88  
 L90 1 S REID ?/AU AND J IMMUNOL?/JT AND 1992/PY AND (149 AND 2681)/SO  
 L91 1 S ROSENTHAL ?/AU AND US5631219/PN  
 L92 0 S PERCIVAL ?/AU AND 1992/PY AND J NUTRI?/JT  
 L93 27 S PERCIVAL ?/AU AND 1992/PY  
 L94 1 S L93 AND 122/SO  
 L95 250 S PICKART ?/AU  
 L96 6 S L95 AND NATURE?/JT  
 L97 1 S L96 AND 1980/PY  
 L98 4 S L90,L91,L94,L97  
 L99 1 S BAE ?/AU AND 1993/PY AND (123 AND 997)/SO  
 L100 1 S HAINAUT ?/AU AND 1995/PY AND (10 AND 27)/SO  
 L101 1 S HIRASE ?/AU AND 1992/PY AND (87 AND 195)/SO  
 L102 1 S KUDRIN ?/AU AND 2000/PY AND (14 AND 129)/SO  
 L103 1 S VANACORE ?/AU AND 2000/PY AND (2 AND 739)/SO  
 L104 9 S L98-L103

FILE 'MEDLINE' ENTERED AT 15:13:16 ON 07 MAY 2003

L105 1 S BANNO ?/AU AND 1994/PY AND (35 AND 1276)/SO  
 L106 1 S BOTASH ?/AU AND 1992/PY AND (146 AND 709)/SO  
 L107 1 S CORDANO ?/AU AND BLOOD/JT AND 1966/PY AND (28 AND 280)/SO  
 L108 1 S DUBOIS ?/AU AND 1990/PY AND (10 AND 77)/SO  
 L109 1 S SHIMIZU ?/AU AND 1979/PY AND (19 AND 742)/SO  
 L110 1 S WASA ?/AU AND 1994/PY AND (18 AND 190)/SO  
 L111 1 S ZIDAR ?/AU AND 1977/PY AND (3 AND 177)/SO  
 L112 78692 S NATURE?/JT  
 L113 6 S L112 AND PICKART ?/AU  
 L114 1 S L113 AND 1980/PY AND (288 AND 715)/SO

L115 2424 S NARITA ?/AU  
L116 110 S L115 AND 1996/PY  
L117 1 S CICUTTINI ?/AU AND 1992/PY AND (80 AND 102)/SO  
L118 9 S L105-L111,L114,L117  
L119 16 S L104,L118

FILE 'HCAPLUS, MEDLINE' ENTERED AT 15:19:50 ON 07 MAY 2003

L120 17 DUP REM L104 L118 L119 (17 DUPLICATES REMOVED)  
L121 3994 S J NUTRI?/JT  
E JOURNAL OF NUTRITION/JT  
L122 26286 S E3,L121  
L123 6 S L122 AND BEE ?/AU  
L124 737 S L122 AND 1994/PY  
L125 0 S L124 AND 457/SO  
L126 45 S L124 AND 5/SO  
L127 0 S L122 AND 5/SO AND 457/SO  
L128 17 S L122 AND 457/SO

FILE 'EMBASE' ENTERED AT 15:22:32 ON 07 MAY 2003

E BEE/AU  
E NARITA/AU  
L129 114 S NARITA ?/AU AND 1996/PY  
L130 1 S L129 AND CARD?/JT

FILE 'BIOSIS' ENTERED AT 15:23:48 ON 07 MAY 2003

E JOURNAL OF NUTRITION/JT  
L131 6578 S E3-E9  
L132 3 S L131 AND BEE ?/AU  
L133 570 S L131 AND 1994/PY  
L134 2 S L133 AND 457/SO  
E CARDIOMYCYTE/JT

FILE 'HCAPLUS' ENTERED AT 15:25:32 ON 07 MAY 2003

FILE 'HCAPLUS, MEDLINE' ENTERED AT 15:26:01 ON 07 MAY 2003

FILE 'HCAPLUS' ENTERED AT 15:27:39 ON 07 MAY 2003

L135 571 S (L39 OR COPPER) AND L19  
L136 3 S L135 AND L82  
L137 3 S L135 AND L83  
L138 3 S L135 AND L43-L48  
L139 3 S L135 AND L49  
L140 2 S L135 AND L50  
L141 0 S L135 AND L51  
L142 6 S L136-L140  
L143 3 S L142 NOT L89,L104  
SEL DN AN 3  
L144 1 S E1-E3  
L145 1 S L143 AND L144